NORFLOXIN Eye Drops

(Norfloxacin)

Composition:

Each 100 ml. Contains:

- NORFLOXACIN (USP) 0.3 gm.

Properties:

NORFLOXIN EYE DROPS, is an anti-infective agent that has a rapid and potent bactericidal effects on a wide variety of aerobic & anaerobic gram-positive and gram negative organisms. NORFLOXIN is fluoroquinolone which differs from quinolones by having a fluorine atom at the 6 position and piperazine moiety at the 7 position. The fluorine atom provides increased potency against gram-negative organisms and the piperazine moiety is responsible for the anti-pseudomonal activity. NORFLOXIN produces its effect through the inhibition of DNA synthesis in the bacterial cell. In the molecular level three specific events are attributed to NORFLOXIN in E. Coli cells.

- Inhibition of ATP-dependant DNA supercoiling reaction catalyzed by DNA gyrase.
- Inhibition of the relaxation of the supercoiled DNA.
- Promotion of the double stranded DNA breakage.

There is no cross resistance between Norfloxacin and other classes of antibacterial agents. Therefore NORFLOXIN is mainly against indicated organisms resistant to some other antimicrobial agents. (antagonism has been demonstrated between Norfloxacin and nitrofurantoin.) NORFLOXIN is active against (Gram-positive bacteria: Staphylococcus aureus - Staph.epidermides. Staph. warnerii & Streptococcus pneumonia). (Gram-negative bacteria: Haemophilus influenzae, Proteus mirabilis & Pseudomonas aeruginosa, Serratia marcescens & Acinetobacter calcoaceticus.

Indications:
Norfloxacin, is indicated for the treatment of external ocular infections that are caused by norfloxacin-sensitive microorganisms e.g. conjunctivitis (Enterobacter cloacae). Corneal ulcers. Also it is indicated in organisms resistant to some other antimicrobial agents.

**Pregnancy:**

There are no adequate and well controlled studies in pregnant women. Norfloxacin should be used during pregnancy only if potential benefits justifies the potential risk to embryo.

**Nursing Mothers:**

It is not allowed to use Norfloxacin in nursing mothers.

**PEDIATRIC USE :** Safety & effectiveness in infants below one year have not been established.

**Dosage:**

"As directed by the physician"

One or two drops of the ophthalmic solution to be applied topically on the infected eye four times Daily for seven days.

**Package:**

A plastic dropper bottle X 5 mL.